TABLE OF REINFORCING STEEL
DIMENSIONS AND DATA

<table>
<thead>
<tr>
<th>Design</th>
<th>H 4'-0&quot;</th>
<th>5'-0&quot;</th>
<th>6'-0&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>a Bars</td>
<td>3/16&quot;</td>
<td>3/16&quot;</td>
<td>3/16&quot;</td>
</tr>
<tr>
<td>b Bars</td>
<td>3/16&quot;</td>
<td>3/16&quot;</td>
<td>3/16&quot;</td>
</tr>
<tr>
<td>Pile Pressure</td>
<td>1350 psi</td>
<td>1600 psi</td>
<td>1750 psi</td>
</tr>
</tbody>
</table>

10' VERTICAL CURVE
AT TOP OF SLOPE CHANGE

WALL JOINT ELEVATION
DETAIL J-1

FOOTING STEP DETAIL
CURB OUTLET DRAIN

DRain reinforcing detail

ELEVATION

NOTES:
1. Data for TYPE 1 and Type 2 walls are similar.
2. Reinforcing steel shall be wrapped 30 diameters.
3. Bar out-of-ways may be varied in increments of 6" in walls with changing heights.
4. Turf shall be placed so that the foundation material is not on the drawings.
5. Piping or venting of backfill will not be permitted.
6. Key may be omitted for walls (design H) less than 3'-0".

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

REINFORCED CONCRETE RETAINING WALL (H=6'-0" MAX.)

TYPICAL LAYOUT EXAMPLE

B-3760

SHEET 1 OF 2 SHEETS
NOTES TO DESIGNER

1. THE USE OF THIS STANDARD PLAN IS LIMITED TO WALLS OF DESIGN H OF 6 FEET OR LESS.

2. SPECIAL FOOTING DESIGN IS REQUIRED WHERE FOUNDATION MATERIAL IS INCAPABLE OF SUPPORTING TOE PRESSURE LOADS LISTED IN TABLE.

3. THE MAXIMUM TOE PRESSURE LOAD SHALL NOT EXCEED THAT ALLOWED BY THE CITY OF LOS ANGELES BUILDING CODE FOR THE TYPE OF FOUNDATION MATERIAL EXCEPT AS RECOMMENDED BY A SPECIAL FOUNDATION INVESTIGATION.

4. THE TYPE OF FOUNDATION MATERIAL SHALL BE NOTED ON THE PLANS.

5. THE MAXIMUM HEIGHT OF FOOTING STEPS SHALL BE LIMITED TO ONE-THIRD (1/3) THE HEIGHT OF THE SHORTER ADJACENT WALL SECTION. THE LOCATION OF FOOTING STEPS SHALL BE SHOWN ON THE PLANS.

6. IF THE DESIGNER ELECTS TO PROVIDE A LONGITUDINAL SLOPE ON THE FOOTING INSTEAD OF FOOTING STEPS, THE MAXIMUM LONGITUDINAL SLOPE OF THE FOOTING SHALL BE SIX PERCENT.

7. A BARRICADE FOR THE PROTECTION OF PEDESTRIANS SHALL BE SHOWN ON THE PLANS WHENEVER THE WALL SUPPORTS A PEDESTRIAN WALKWAY WHICH IS MORE THAN THREE FEET ABOVE THE ADJACENT GROUND.

8. WHERE VEHICULAR TRAFFIC IS ADJACENT TO THE TOP OF THE WALL, GUARD RAILS SHALL BE SHOWN ON THE PLANS AND SHALL BE SET BACK AT LEAST TWO FEET FROM THE FACE OF WALL.

9. THE CURB OUTLET DRAIN SHALL BE SPECIFIED ON THE PLANS WHENEVER THE DRAIN WOULD OTHERWISE OUTLET ON A PEDESTRIAN WALK. SPACING SHOULD NOT EXCEED 24 FEET ON CENTERS.

DESIGN DATA

STRESSES

\[ f_s = 20,000 \text{ psi} \quad f_c = 1,200 \text{ psi} \quad n = 10 \]

LOADINGS

THE WALLS ARE DESIGNED TO RESIST THE FORCES CAUSED BY EITHER TWO CONDITIONS OF LOADING:

CONDITION 1: WALLS SUPPORTING PRIVATE PROPERTY.

EARTH WT = 100 pcf
E.F.P. = 30 pcf FOR LEVEL SURCHARGE
       = 43 pcf FOR 2:1 SURCHARGE
       = 55 pcf FOR 1:1/2:1 SURCHARGE.

A VERTICAL COMPONENT OF ONE-THIRD THE HORIZONTAL FORCE IS ASSUMED TO ACT AT THE PLANE OF APPLICATION OF THE HORIZONTAL FORCE.

CONDITION 2: WALLS SUPPORTING PUBLIC PROPERTY.

EARTH WT = 120 pcf
E.F.P. = 36 pcf + 2 FT. SURCHARGE

A VERTICAL COMPONENT OF ONE-FOURTH THE HORIZONTAL FORCE IS ASSUMED TO ACT AT THE PLANE OF APPLICATION OF THE HORIZONTAL FORCE.

FOOTING RESULTANT

THE RESULTANT OF ALL VERTICAL AND LATERAL FORCES PASSES THROUGH THE MIDDLE ONE-THIRD OF THE FOOTING.